

Honeywell

THE POWER OF **CONNECTED**

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THE RIGHT PROTECTION MATTERS

Innovative Industrial Safety Solutions for a Safer,
More Secure, and Efficient Workplace



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ALWAYS ON THE SAFE SIDE



With employees working across 40 manufacturing plants, 30 research centers, 25 distribution facilities, and 69 offices around the world Honeywell is committed to a single purpose: protecting human life. With our extensive suite of industrial safety solutions, we are helping managers worldwide embrace a culture of security across a wide range of platforms that include general safety and preparedness, first responder, electrical safety, and connected solutions. Tailored to our customers' needs, our innovative solutions are aimed at ensuring their well-being in any challenging work environment. We are continuously working towards providing practical solutions that safeguard the life and health of workers, as well as our customers' revenue and productivity. From the job site to the factory floor, we are creating a world where safety isn't just something that company leaders occasionally address; it's about how workers act every day.

Partner with Honeywell and discover new ways to lead your workers to safety.



Need Comprehensive Safety Solutions?

Meet Honeywell

Creating a culture of safety in the workplace involves more than directing training, reporting accidents, and complying with regulations — it means transforming the environment where we work. Honeywell partners with safety managers to build and sustain this culture. We understand their needs and expectations for improving the workplace environment.

Our customers benefit from more than 50 years of safety expertise that helps protect their workers. A global leader, we develop and deliver high-performance solutions and innovative technology, along with comprehensive educational programs

We support the growth of a lasting safety culture by providing:

- The broadest portfolio of personal protective equipment, solutions, and brands delivering premium performance, fit, comfort, and style.
- The most comprehensive education and training services that enable organizations to learn and adopt the best practices.
- The most innovative analytic and diagnostic technologies that monitor and collect the data essential for creating an informed safety environment.
- Extensive organizational commitment and collaborative approach to protecting every worker whose life depends on our solutions.

When combined with the safety manager's leadership programs, these solutions inspire workers to make safer choices on their own.



EYE PROTECTION





SPECTACLES

XV100 Series

- 10-base, wrap-around uni-lens for great peripheral vision and protection
- Anti-scratch Hardcoat lenses for maximum durability



ANSI Z87+

Product Number	Description
1028862	XV SERIES CLEAR FB
1028860	XV SERIES CLEAR HC
1028861	XV SERIES I/O SILVER HC
1029692	XV SERIES GRAY HC

Tornado

- A unique dual lens styling in a single piece lens design.



ANSI Z87.1

Product Number	Description
T57505B	Tornado F5 Bk/Cl Curv Temple
T57505BS	Tornado F5 Bk/Sm Curv Temple

A700

- Lightweight design with sport temples and soft temple tip pads Moulded universal nose bridge
- 8-base polycarbonate abrasionresistant lenses



EN166, EN170, EN172

Product Number	Description
1015361	A700 Clear Hard Coat
1015362	A700 Grey Frame TSR Grey Hard Coat

N-Vision™ T5655 Series

- The lenses are protected with North's exclusive 4A Coating: Anti-Fog, Anti-Scratch, Anti-UV 99.9%, Anti-Static
- Optional RX Insert available (65RX)



ANSI Z87.1, CSA Z94.3

Product Number	Description
T56555BS	N-Vision Safety Glasses

A800 Series

- Sporty, 9-base wrap-around polycarbonate lens
- Extra "flex" built into the temple for increased tension control



ANSI Z87+ N3111

Product Number	Description
1015370	Clear Lens, Anti-scratch Coating
1015368	TSR Gray Lens, Anti-scratch Coating
1015350	I/O Silver Mirror Lens, Anti-scratch Coating
1015369	Clear Lens, Fog-Ban Anti-fog Coating

LG20

- Soft seal and easily adjustable headband for a wide variety of workers
- Weight: lightweight, for optimum comfort (75 to 79 g)



EN388 3121

Product Number	Description
2030195	5 fingers glove, Gunn cut, winged thumb, Cowhide grain leather, Elastic Back – size 8 to 11



SPECTACLES

V-MAXX Indirect Ventilation

- Passes impact grade B for medium energy and also meets certification for molten metal
- Splash-resistance test compliant



EN166, EN175

Product Number	Description
1006193	5 fingers glove, Gunn cut, winged thumb, Cowhide grain leather, Elastic Back – size 8 to 11

Faceshield Brackets

- Aluminum heat resistant and nylon brackets available
- Designed to fit all North and Fibre-Metal hardhats, as well as many competitive hardhats
- Accepts windows with universal mounting patterns



ANSI Z87.1

Product Number	Description
CP5004	Aluminum Cap Style
CP5005	Plastic Dielectric Cap Style

North – Faceshield Windows

North offers the widest variety of faceshields, visors and screens, in all shapes and sizes. Fits any headgear that accepts the universal slot design.



ANSI Z87.1

Product Number	Description
A8150/40	Faceshield window – clear, die cut, Flat 8in x 15in, Pet-G, Copolyester, .040in
A8152/40	Visor Pc 8X15 5 040Mm Clear
A8150/60	Visor Petg 8X155 060Mm Clair
A8152G/40	Visor Pc 8X155 040Mm Green

GOGGLES

Amigo Focar

- 50 mm filter lenses
- Soft contoured vinyl frame with capped vents
- Flip-front design for positive locking action in either open or closed position



EN166

Product Number	Description
805635	Flip-front; Lens:Clear focar lenses and Xanthos shade 5 lenses

TACTILE T2400

FEATURES & BENEFITS

- Soft “finger” nose piece.
- Comfort and style.
- Soft touch straight temples.
- Single curved polycarbonate lens (8-base).



Ref.	Frame	Lens
90 87 30	Black	○ Clear
90 87 31	Black	● Smoked blue mirror
90 87 36	Black	● I/O use
Treatment		Lens marking
Anti-scratch		EN166 1F CE
Anti-scratch		5-3.1 EN166 1F CE
Anti-scratch		2-1.7 EN166 1F CE

DURAMAXX™

The indirect ventilation system encourages air flows that help to prevent fogging and ensures a high level of visual comfort.

Wide panoramic field of vision.

The lens fits easily into the front of the DuraMaxx™ goggles. They have the easiest, quickest replacement system, so reducing the cost of using DuraMaxx™.



The wide, adjustable, sliding strap can be tightened or released by the user to provide optimum comfort.

The pivoting strap is easy and quick to adjust, even when used on safety helmets.

The soft, flexible elastomer joint allows the goggles to be adjusted perfectly to each user's face.

FEATURES & BENEFITS

DuraMaxx™ stands out due to its modern design and its leading edge lens coating. Now DuraMaxx™ facilitates and encourages the wearing of safety goggles in the workplace.

- **Ideal for protection against impact, dust, airborne particles, chemical splash and optical radiation** (UV and welding / heat radiation).
- **Wraparound lens** offers a wide panoramic field of vision.
- **Modern ergonomic design** for protection against chemical splash and impact from projections.
- The lens provides superior optical quality and peripheral vision.
- Soft elastomer body flexes and conforms to the face for a secure, comfortable, gap free-fit.
- Pivoting quick-adjust headband provides easy adjustment for a comfortable fit.
- The goggles can be used comfortably with most prescription glasses.
- May be worn comfortably with respirator half masks.
- Available exclusively with Dura-streme® technology offers **Fogban (N) protection on the inside of the lens and an anti-scratch (K) coat on the outside for extra resistance to scratches and chemical products, plus increased longevity.** In situations where physical effort is an essential part of your work, or where heat, humidity, mist, sand, dust and chemical products are environmental factors, Dura-streme® technology provides the protection that you need.

Product Number: 1928862

HON SVP 200 Gray-Frame Gray-Lens HC

Stylish, low-profile and very lightweight Eyewear which offers all-day comfort for temporary or permanent workforce across all industries

Feature

Dielectric, 10 base wraparound

Benefit

This offers optimum protection

Feature

Frameless, very lightweight and low-profile at 15 grams

Benefit

Comfort all day wear and fits most facial profile

Feature

Temple tips are flexible and comfortable. Molded nosepiece

Benefit

No pinching and comfort to the user

Feature

Polycarbonate lens available in Anti-Fog coating and Hard Coat



Product Number: 1928860

HON SVP 200 Clear-Frame Clear-Lens HC

Stylish, low-profile and very lightweight Eyewear which offers all-day comfort for temporary or permanent workforce across all industries

Feature

Dielectric, 10 base wraparound lens

Benefit

This offers optimum protection

Feature

Frameless, very lightweight and low-profile at 15 grams

Benefit

Comfort all day wear and fits most facial profile

Feature

Temple tips are flexible and comfortable. Molded nosepiece

Benefit

No pinching and comfort to the user

Feature

Polycarbonate lens available in Anti-Fog coating and Hard Coat



Headgear

- Accepts a wide range of faceshield styles
- Cross strap adjusts to allow an exceptional fit
- Full floating mount sparkguard provides comfortable wear even with heavy faceshield and continuous use



ANSI Z87.1

Product Number	Description
KHG5001	Headgear – Ratch Large Sparkguard



HW200

For more advanced welding applications, the HW200 helmet features solar-powered, adjustable Shade 9-13 ADF technology, as well as sensitivity and delay adjustments for customizable filter settings. Ideal for more experienced welders requiring a wider shade selection, the HW200 helmet offers more comprehensive features and benefits including:

- Grind Mode functionality that ensures the ADF will not darken when used during clean-up work.
- Sensitivity adjustment that gives the wearer the option to adjust the filter's sensitivity to avoid unwanted darkening from ambient light conditions.
- An easy ratchet adjustment system for personalized fit and total comfort.
- Replaceable, padded sweatband.
- A design that accommodates many safety eyewear and respiratory products.
- Viewing Area: 7.2" (3.8" x 1.9" / 97mm x 47mm)
- Operating temperature range: -10° C to +55° C (+14° F to +131° F)
- Two year warranty on auto darkening filter.
- Certified to the requirements of the ANSI Z87.1-2010, CSA Z94.3, and EN379 standards.

HW100 and HW200 Auto Darkening Welding Helmets with Shade 10 and Selectable Shade 9-13 Protection



Competitively priced, and perfect for the part-time welder or hobbyist, the HW100 and HW200 Auto Darkening (ADF) welding helmets incorporate high-quality filters with a sleek and lightweight helmet shell. When a welding job requires more than a standard passive filter, ADF helmets provide greater protection, superior comfort and eliminate the need for constant adjustments, allowing for more time spent welding.

Experience the Difference of ADF Technology!

The Honeywell HW100 and HW200 welding helmets provide excellent performance with ADF technology, a lightweight shell and sleek design. Upgrading to ADF technology can help increase worker production and weld quality. A welding helmet equipped with an ADF filter can help to eliminate strain caused by constant "lifting and nodding" to check a weld. With a light state of Shade 3 (HW100) or Shade 4 (HW200), these welding helmets offer a clear view of the work area during set-up as well as pre- and post-fabrication activities. Immediately upon arc strike, the ADF will darken to Shade 10 (HW100) or to a selected shade in the 9-13 range (HW200), allowing for a consistently clear view of the welds, without repeated lifting of the welding helmet.



HW100

The HW100 helmet features solar-powered Shade 10 ADF technology ideal for general welding applications. Specifically designed for convenience, comfort and durability, the HW100 offers a host of features including:

- An easy ratchet adjustment system for personalized fit and total comfort.
- Replaceable, padded sweatband.
- A design that accommodates many safety eyewear and respiratory products.
- Viewing Area: 6.5" (3.8" x 1.7" / 96mm x 42mm)
- Operating temperature range: -5° C to +55° C (+23° F to +131° F)
- Two year warranty on auto darkening filter.
- Certified to the requirements of the ANSI Z87.1-2010, CSA Z94.3, and EN379 standards.



RESPIRATORY PROTECTION





DISPOSABLE RESPIRATORS

H801 **NEW**

- NIOSH N95 Certified, single use mask, with a PU nose foam seal, designed to provide exceptional fit and comfort



NIOSH

Product Number	Description
H801	801 N95 disposable mask
H801V	801V N95 disposable mask

7600 Series – Full Facepiece

- Silicone facepiece material conforms to facial features and doesn't harden with age
- Speaking diaphragm makes communication easy



NIOSH

Product Number	Description
760008A	Silicone full facepiece. Sizes small and medium/large

Product Family

7700 Series Half Mask

The benchmark in half masks. Made from 100% medical grade silicone the wide sealing area provides exceptional fit and comfort. Cradle suspension features woven straps that provide for maximum mobility without sacrificing support. Easily converts to PAPR or supplied air.



REUSABLE AIR PURIFYING RESPIRATORS

N5500 – Series Half Facepiece

- Thermoplastic elastomer material
- Single unit four-point harness with neck strap
- Superior exhalation valve allows more breath to be exhaled



EN140 | NIOSH

Product Number	Description
550030M	Half Mask, Elastomeric, With Dual Cartridge Connectors Sizes Small, Medium, And Large: Add Suffix S, M Or L

5400 Series – Full Facepiece

- Oral nasal cup reduces fogging and lessens dead air space to improve worker comfort
- Hard-coated polycarbonate lens, is scratch resistant and meets ANSI standards for impact and penetration resistance



NIOSH | EN

Product Number	Description
54001	Elastomeric full facepiece. Sizes small and medium/large

CARTRIDGES AND FILTERS

Gas and Vapor Cartridges



CLASS	STANDARDS	HOUSING	PRODUCT NUMBER	COLOR CODE	DESCRIPTION
1	NIOSH	Plastic	75SCL	■ (MC)	Defender Multi Purpose
1	NIOSH	Plastic	75SCP100L	■ (MC)	Defender Multi Purpose with P100
1	NIOSH	Plastic	N75001L	■ (OV)	Organic Vapor Cartridge
1	NIOSH	Plastic	N75003L	■ □ (OV+AG)	Organic Vapor & Acid Gasses
1	NIOSH	Plastic	7583P100L	■ □ (OV+AG)	Organic Vapor & Acid Gasses with P100
1	NIOSH	Plastic	N75002L	□ (AG)	Acid Gas Cartridge
2	EN 14387 & EN 143	Aluminum	1781000	■ ■ ■ ■	Particle & Gas Vapour (A2 B2 E2 K2)

Single Use Protective Clothing

Mutex Light +

Enhanced protection

- Tear resistant crotch design
- Certified against biological agents
- Good resistance to tearing and liquid penetration

Ergonomics & comfort

- Lightweight for even greater comfort
- Elasticated wrists and ankles
- **3-piece elasticated hood:** for a better fit
- Dual slider zip
- Silicone and latex free

Applications

- Chemical/petrochemical industry
- Industrial Maintenance
- Construction/Building and Public Works
- Asbestos removal
- DIY
- Waste disposal
- Landscaping



Product Number	Description	Material	Size
4500501	Mutex® Light	Polypropylene laminated with a microporous polyethylene film, 65 gm/m²	S to XXXL



European Standards

The European Economic Community adopted Directive 89/686/EEC in 1989, which defines the requirements that must be met by Personal Protective Equipment in order to preserve the health and safety of users.

The hazards are divided into three categories

Category 1	Minor hazards
Category 2	Intermediate hazards
Category 3	Serious or fatal hazards

Pictogram	Description	Standards
	Chemical protection - Types 3, 4, 5 and 6	EN 14605 Types 3 and 4 EN 13982-1 Type 5 EN 13034 Type 6
	Protection against the build-up of electrostatic charges*	EN 1149-5
	Protection against biological agents	EN 14126
	Protection against radioactive contamination** in the form of particles	EN 1073-2
	Protection against the propagation of flames***	EN 14116 (new norm EN533)
	Protection against the propagation of flames***	NFP 92 - 507
ATEX	Group IIIA, IIIB, IIIC, dust zones 21 & 22	EN 13463-1:2009

To help you choose the right protective clothing, 6 levels of protection or 'types' – have been defined by the European Union:

Type	Pictogram	Description	Standards
Type 1		Gas-tight clothing	EN 943-1 EN 943-2
Type 2		Non gas-tight clothing	EN 943-1
Type 3		Protection against liquid chemicals in the form of jets (high speed projection)	EN 14605
Type 4		Protection against liquid chemicals in the form of spray	EN 14605
Type 5		Protection against solid chemicals suspended in the air (solid particles)	EN 13982-1
Type 6		Protection against liquid chemicals in the form of small splashes	EN 13034

* To ensure proper grounding, static electricity cannot be managed in an separate garments (jacket, pants, etc.) but always within a complete system of antistatic equipment.

** Does not protect against radiation - *** Does not protect against flames - Limited burning if it catches fire - Not for use in the event of fire.

HEARING PROTECTION



MACH™ 1

Economical protection for short-term use.

FEATURES AND BENEFITS

- Economic design offers good protection at a low price.
- Extremely light earmuffs.
- Dielectric construction.

Ref.	Description	SNR
10 104 21	Mach 1	SNR 23



Mach 1 SNR 23

Viking® MULTIPLE POSITION EARMUFFS

Adjustable headband.

FEATURES AND BENEFITS

- Adjustable headband allows wearer to select position: over-the-head, behind-the-neck or under-the-chin.
- The alternative to ear cups fitted to hard hats: compatible with hard hats, face shields, breathing masks and other PPE.
- Ventilated inner headband minimizes pressure on the head; breathes more easily in warm/humid climates.
- Non-deforming outer headband withstands rough treatment in the toughest workplaces.
- Snap-in ear cushions make replacement quick and easy.
- Elastic headband strap for better positioning.
- Dielectric construction suitable for all workplaces.
- Now with Air Flow Control™ technology.

Ref.	Description	SNR
10 109 25	Viking V1	SNR 30



V1 SNR 30

Leightning® HEAD STRAP EARMUFFS

FEATURES AND BENEFITS

- Sleek behind-the-neck design for use with face shields, visors, hard hats and other PPE.
- Includes attached elastic headband strap for better positioning.
- The LON features ultra-slim, lightweight ear cups, ideal for use with welding masks.

Ref.	Description	SNR
10 119 96	L3N	SNR 32



L3N SNR 32

PRODUCT NUMBER: 1010924

Leightning L3s Headband Earmuff

Honeywell
HOWARD
LEIGHT



Laser Lite®

Colorful protection.

FEATURES AND BENEFITS

SNR 35

- Bright colors make the Laser Lite visible and appealing.
- The foam expands to mould to the shape of virtually every ear.
- Contoured T-shape for easy insertion and removal.

Ref.	Description	Packaging
33011 05	Uncorded	Box of 200 pairs, case of 2000 pairs
33011 06	Corded	Box of 100 pairs, case of 1000 pairs



Laser Trak®

The highest attenuation rate in its class.

FEATURES AND BENEFITS

SNR 35

- The foam expands to fit virtually every ear.
- Non-ferrous metal grommet and bright colors easily detected by visual and magnetic inspection.

Ref.	Description	Packaging
33011 67	Corded	Box of 100 pairs, case of 1000 pairs



Quiet®

Easy handling, better fit.

FEATURES AND BENEFITS

SNR 28

- Patented no-roll design is easy to handle and fit.
- Contoured shape provides a close fit in the ear canal.
- Integrated stem makes insertion quick and easy.
- Supplied in pairs in a practical plastic storage case.

Ref.	Description	Packaging
10284 56	Uncorded	Box of 50 pairs, case of 500 pairs
10284 57	Corded	Box of 50 pairs, case of 500 pairs





EAR MUFFS

Thunder Earmuff

- Air Flow Control™ Technology: Bilsom's patented Air Flow Control™ technology delivers optimal attenuation across all frequencies, without increasing earcup size or weight.
- Dielectric/Plastic Construction: Withstands use and abuse, while protecting your workers in electrical environments
- For use with wide range of helmets includes 3711, 3712, 3721 Helmet Adapters

EN 352-2:2002, EN 352/3

Product Number	Description
1010929	Howard Leight Thunder T2 Muff
1010970	Howard Leight Thunder T3 Muff
1011600	Howard Leight Thunder T1 Foldable Muff
1012533	Helmet muff Thunder T1H with adaptors 3712, 3711 and 3721



EAR PLUGS

Bilsom® Foamplug

- The Bilsom 300 Series earplug, offers superior noise-blocking performance in a single-use earplug



EN 352-2:2002 – SNR 33 DB

Product Number	Description
1000106	Bilsom 304L – Corded
1005073	Bilsom 303L – Uncorded

Smart Fit

- Conformig Material Technology™ : Thermo plastic Elastomer (TPE) adapts plug to the contours of the ear canal for a more personalized fit, feels better the longer you wear it



EN 352-2:2002 – SNR 30 DB

Product Number	Description
1011239	SmartFit – Corded

Distributeur Leight® Source 400 (LS400)

- Can be fixed to a wall or placed on a table or workstation. Can hold 400 pairs of Howard Leight single-use earplugs, such as Max, Max Lite, Laser Lite, MultiMax, Matrix, Firm Fit and Bilsom 303



EN 352-2:2002

Product Number	Description
1006202	Leight Source 400 dispenser, Supplied with 400 pairs of Bilsom 303 L
1006186	Bilsom 303 L Foam Plug Refill 200 pairs

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THE POWER OF **CONNECTED**

Hand Protection Solutions



IMPACT RESISTANCE

Skeleton Nit 5

Industry

- Automotive and Part Manufacturing
- Aviation
- Building and Construction
- Green Spaces
- Iron and steel industry
- Mining and Quarrying
- Offshore
- Ship Building
- Wood Industries



EN388 4542, EN 407 X1XXXX

PRODUCT NUMBER	DESCRIPTION	APPLICATION
2332524	Knitted glove in composite and para-aramid yarn. Plated polyamide. Black nitrile foam coating on palm. Rubber pads on top of the hand and fingers - Gauge 13 - 250 mm long - size 7 to 10	Handling of heavy parts in oily or greasy environment. Shock absorber pad on top of the hand to protect metacarpian and fingers.

C&G Original PU 5

Industry

- Automotive and Part Manufacturing
- Aviation
- Building and Construction
- Catering
- Energy or Electricity
- Glass Industries
- Logistics
- Maintenance
- Metal and Paper Industries
- Services
- Telecom
- Transportation
- Utilities



EN388 4543

PRODUCT NUMBER	DESCRIPTION	APPLICATION
2332545	Knitted glove in spectra and composite fiber. Green PU coating on palm. Gauge 13 Length: 25 cm. size 6 to 11	Handling sharp parts in a dry or greasy environment. Helps to provide safety managers with visual recognition of the cut protection level

Skeleton Nit 3

Industry

- Automotive and Part Manufacturing
- Aviation
- Building and Construction
- Green Spaces
- Iron and steel industry
- Mining and Quarrying
- Offshore
- Ship Building
- Wood Industries



EN388 4343

PRODUCT NUMBER	DESCRIPTION	APPLICATION
2332275	Knitted glove in Spectra®. Black nitrile foam coating on palm. Rubber pads on top of the hand and fingers - Gauge 13 - 250 mm long - size 7 to 11	Handling of heavy parts in oily or greasy environment. Shock absorber pad on top of the hand to protect metacarpian and fingers.

Sharpflex PU

Industry

- Automotive and Part Manufacturer
- Aviation
- Building and Construction
- Iron and steel industry
- Logistics



EN388 4541

PRODUCT NUMBER	DESCRIPTION	APPLICATION
2232523	Knitted glove in composite and para-aramid yarn Black PU coating on palm - Gauge 13 - 250 mm long - size 7 to 11	Handling of heavy parts with high cut risks in dry or slightly greasy environment

CUT RESISTANT

C&G Original PU 3

Industry

- Automotive and Part Manufacturing
- Aviation
- Building and Construction
- Catering
- Energy or Electricity
- Glass Industries
- Logistics
- Maintenance
- Metal and Paper Industries
- Services
- Telecom
- Transportation
- Utilities



EN388 4342

PRODUCT NUMBER	DESCRIPTION	APPLICATION
2332242	White Spectra knitted glove, Amber polyurethane coating on palm and tips of fingers Gauge 13 - 250 mm long - size 6 to 10	Handling sharp parts in a dry or greasy environment. Helps to provide safety managers with visual recognition of the cut protection level

Sharpflex Nit

Industry

- Automotive and Part Manufacturer
- Aviation
- Building and Construction
- Iron and steel industry
- Logistics



EN 388 4542, EN407 X1XXXXX

PRODUCT NUMBER	DESCRIPTION	APPLICATION
2232524	Knitted glove in composite and para-aramid yarn Black Nitrile Foam coating on palm - Gauge 13 - 250 mm long - size 7 to 11	Handling of heavy parts with high cut risks in oily or greasy environment

CUT RESISTANT

Chainextra Removable Plastic Strap

Industry

- Food Industries



EN 14328

PRODUCT NUMBER	DESCRIPTION	APPLICATION
254200XR0302	Stainless steel mesh gloves with Plastic strap. diam 0.5 mm External diameter of the ring 4 mm . Reversible. Replace X with numerals for size. XXS=0 to XXL=6	Works when using knives or cutting and/or punching tools

LIGHT DUTY MECHANICAL

PU First Grey

Industry

- Services
- Telecoms
- Transportation
- Utilities



EN388 4131

PRODUCT NUMBER	DESCRIPTION	APPLICATION
2100250	Grey polyamide knitted glove, Grey polyurethane palm coating - Gauge 13 - 25 cm - size 6 to 11	Handling of fine objects in a dry environment or slightly greasy or dirty objects.

Polytril Flex

Industry

- Automotive and Part Manufacturing
- Logistics
- Maintenance
- Transportation



EN 388 4131

PRODUCT NUMBER	DESCRIPTION	APPLICATION
2332663	Seamless knitted stretchable Nylon/ Spandex liner with a soft MicroFinish® Nitrile foam coating on the palm for better abrasion and outstanding wearing comfort. Touchscreen compatible. Gauge 15 - 22 to 27 cm - Size 6 to 11	Fine handling in dry, greasy, damp and dirty environment

Polytril Skin

Industry

- Automotive and Part Manufacturer
- Maintenance
- Offshore
- Transportation
- Utilities



EN388 3131

PRODUCT NUMBER	DESCRIPTION	APPLICATION
2232278	Polyamide knitted glove Ultra thin foam nitrile coating on the palm and fingers Open back Elasticated knitted wrist. Gauge 15. Length : 25 cm. size 7 to 10	Lighth handling, assembling in oily environment. Handling in wet and greasy environment. Assembly work, plumbing, joinery, construction, automotive industry, white and brown goods.

THERMAL

Cryogenic

Industry

- Chemical Industries
- Petro-chemical



EN388 3222, EN511 220.

PRODUCT NUMBER	DESCRIPTION	APPLICATION
2058685	Water-repellent silicone cowhide grain leather glove Fully lined with 2 aluminium/fleece layers Velcro® adjustment strap on side of the palm - 1.1/1.3 mm thick 340 mm long - size 9 to 11	Protection against small drops of liquid gas up to - 170°C.

CHEMICAL RESISTANT

Dexpure 801-21

Industry

- Automotive and Part Manufacturing
- Aviation
- Catering
- Chemical Industries
- Food Industries
- Industrial Cleaning
- Laboratory
- Maintenance
- Medical and Pharmaceutical
- Petrochemical
- Printing Industries Water treatment



EN 420, E EN 455: 1&2

PRODUCT NUMBER	DESCRIPTION	APPLICATION
4580121 N 374-2,	Natural latex powderfree glove - 0.08 mm thick 250 mm long - size 7 to 10.	Agrifood industry : fish, meat and poultry, dairy products, pastry Laboratory analysis and technical work. Pharmaceutical product preparation. Product inspection. Electronic assembly

Dexpure 803-81

Industry

- Administration
- Aviation
- Catering
- Chemical Industries
- Food Industries
- Services



EN 420, EN 374-2, EN 374-3, FDA

PRODUCT NUMBER	DESCRIPTION	APPLICATION
4580381	Thin Nitrile powder-free disposable glove with chemical resistance against contamination and food contact certificate for food industry 0.07 mm thick, 240 mm long, XS to XXL	Food industry, poultry, fruit & vegetable processing, dairy processing, food distribution, catering Electronic precision assembly Chemical precision work with non-harmful chemical substances

Powercoat Nitraf 953-01

Industry

- Automotive and Part Manufacturing
- Aviation
- Building and Construction
- Catering
- Chemical Industries
- Food Industries
- Industrial Cleaning
- Maintenance
- Petrochemical
- Water treatment
- Wood Industries



EN388 4101, EN374-3 JKL

PRODUCT NUMBER	DESCRIPTION	APPLICATION
2095301	Unsupported nitrile glove, Cotton flock lined Diamond pattern on palm - 0.40 mm thick 330 mm long - size 8 to 12	Mechanical and chemical resistance to a large range of products (oils, detergents and many solvents). Preparation of greasy products, production of paints, varnishes.

CHEMICAL RESISTANT

Redcote Plus R60X

Industry

- Agriculture
- Chemical Industries
- Petrochemical
- Water treatment



EN388 4121, EN374-3 AKL

PRODUCT NUMBER	DESCRIPTION	APPLICATION
R60X	Red PVC glove Dipped on cotton liner Smooth finish - 1.4 mm thick 400 mm long - size 9L and 10XL	Handling in an aggressive environment: oils, greases, chemicals, hydrocarbons. Chemical and petrochemical industry.

Trawlerking

Industry

- Agriculture
- Chemical Industries
- Petrochemical
- Water treatment



EN388 4121, EN374-3 AKL

PRODUCT NUMBER	DESCRIPTION	APPLICATION
850FWG	Green PVC glove Dipped on cotton liner Rough finish - 1.6mm thick 350 mm long - size 8M to 10XL	Handling in an aggressive environment: oils, greases, chemicals, hydrocarbons. Chemical and petrochemical industry.

Dexpure 800-81

Industry

- Automotive and Part Manufacturer
- Aviation
- Logistics
- Maintenance
- Transportation



EN 420, EN 374-2, EN 455 : 1&2 N°1934/2004

PRODUCT NUMBER	DESCRIPTION	APPLICATION
4580081	Nitrile powderfree glove. Blue translucent - 0.10 mm thick 240 mm long -AQL 1.5 - size 7 to 10.	Agrifood industry: fish, meat and poultry, dairy products, cheese, pastry. Chemistry: laboratory analysis and technical work. Pharmaceutical product preparation. Electronics: Assembly and handling of fine and complex parts.

PRODUCT NUMBER: 4580021

DEXPURE 800-21

Agrifood industry: fish, meat and poultry, dairy products, cheese, pastry.

Chemistry: laboratory analysis and technical work. Pharmaceutical product preparation. Electronics: Assembly and handling of fine and complex parts.

Feature

Natural Latex Powdered glove
Single use

Benefit

COMFORT

Disposable glove for an excellent touch.

Mouth finish to give a good dexterity. The Powdered interior facilitates putting the glove on and taking it off.

SAFETY

The gloves are made from pure natural latex.

Regular controls ensure a very low residual protein rate.

HYGIENE

The glove is treated to prevent the development of bacteria.

Certified for contact with food



PRODUCT NUMBER: 2232023

UP & DOWN I VIZ

Winter gloves. for the handling of frozen products. For work in cold stores. For forklift operators and drivers.



Feature

Knitted acrylic brushed inside

Benefit

Bring to the glove a very good cold insulation and light cut resistance (level 2 to EN 388)

Feature

3/4 crinkled coating

Benefit

Enhanced protection against sharp object even on the back. Shrink-roughened surface for excellent grip and heat contact insulation (up to 250° C)

Feature

High Viz yellow liner

Benefit

Eye Catching Color

PRODUCT NUMBER: 2332255

Check & Go Red PU 1

Handling of fine object in a dry environment or slightly greasy or dirty objects.



Feature

100% Nylon knitted glove
Red PU coating on the palm and fingers

Benefit

COMFORT

The knitted technique helps to obtain a glove that snugly to the hand, with good dexterity.

The glove offer maximum comfort and added sturdiness.

The tight knit gives the glove perfect support, limits the penetration of dirt and offer a good touch.

The ventilated back and PU coating optimise the glove's breathability.

RESISTANCE

Polymide with its polyurethane coating provide excellent abrasion and tear resistance.

The PU coating ensures a good grip.

Safety

Color coding on top of the hand coating color helps safety manager and workers to visually recognize the level of cut protection.

Non pilling, the polyamide is suitable for precision work.

The gloves are certified as "silicone-free" to ensure their use in painting.

Product Number: 2094140

DEXGRIP

Knitted gloves in polyamide & cotton coated latex



Key Features

The dexgrip line features seamless polyamide / cotton liners with latex coating

COMFORT

The tight knit gives the glove perfect support, limits the penetration of dirt and offers a good touch. The cotton thread absorbs perspiration and thus provides added comfort. Non Pilling, the polyamide is suitable for precision work. The ventilated back improves the gloves' breathability.

RESISTANCE

The crepe latex coating provides resistance to abrasion performance as well as an excellent grip.

PRODUCT NUMBER: 2132251

Vertigo Black PU C&G 1

Handling of fine object in a dry, slightly greasy or soiled environment.



Feature

100% Nylon knitted glove
Black polyurethane coating on palm and fingertips

Benefit

COMFORT

The knitted technique helps to obtain a glove that snugly to the hand, with good dexterity.

The glove offer maximum comfort and added sturdiness.

The tight knit gives the glove perfect support, limits the penetration of dirt and offer a good touch.

The ventilated back and PU coating optimise the glove's breathability.

RESISTANCE

Polymide with its polyurethane coating provide excellent abrasion and tear resistance.

The PU coating ensures a good grip.

Safety

Non pilling, the polyamide is suitable for precision work. The gloves are certified as "silicone-free" to ensure their use in painting.

HYGIENE

ITS dark color makes it more antistatic, thus ensuring a longer life.

PRODUCT NUMBER: T157

Bluesafe - T157

Heavy Handling in greasy or oily environment.



Feature

Glove fully coated with blue nitrile (NBR) on cotton

Benefit

COMFORT The cotton liner absorbs the sweat of the hand and provide a very good comfort
RESISTANCE The Nitrile (NBR) coating gives good oil resistance and has excellent mechanical. The fully coating is appropriate for dirty handling in damp and oily environment

EUROPEAN PICTOGRAMS- MAIN STANDARDS

EN 388 2016 Mechanical risks



x1 x2 x3 x4 x5 x6

Marking	Protection offered	Performance levels
x1	Abrasion resistance	1 to 4
x2	Coup cut resistance	1 to 5
x3	Test strength resistance	1 to 4
x4	Puncture resistance	1 to 4
x5	TDM Cut resistance(EN ISO 13997)	A to F
x6	Impact protection	P
-	X	Test not done

Chemical and Micro-organism risk

EN ISO 374-1 / Type C	PenetrationTest Resistance to 1 chemical up to 10mn
EN ISO 374-5	PenetrationTest
EN ISO 374-5 VIRUS	Test to ISO 16604 (for gloves claiming protection to Virus and for all chemical gloves above 40 cm)
EN ISO 374-1 / Type B XYZ	Resistance to 3 chemicals up to 30mn
EN ISO 374-1 / Type A UVWXYZ	Resistance to 6 chemicals up to 30mn

Code Letter	Chemical	Class
A	Methanol	Primary alcohol
B	Acetone	Ketone
C	Acetonitrile	Nitrile compound
D	Dichloromethane	Chlorinated hydrocarbon
E	Carbon disulphide	Sulphurcontainingorganiccompound
F	Toluene	Aromatichydrocarbon
G	Diethylamine	Amine
H	Tetrahydrofuran	Heterocyclic and ether compound
I	Ethyl acetate	Ester
J	n-Heptane	Saturated hydrocarbon
K	Sodium hydroxide 40%	Inorganic base
L	Sulphuric acid 96%	Inorganicmineralacid, oxidizing
M	Nitric acid 65%	Inorganic mineral acid, oxidizing
N	Acetic acid 99%	Organic acid
O	Ammonia25%	Organic base
P	Hydrogen peroxide 30%	Peroxide
Q	Hydrofluoric acid 40%	Inorganic mineral acid
R	Formaldehyde 37%	Aldehyde

Permeation times

Performance level	0	1	2	3	4	5	6
Minutes	<10	≥10	≥30	≥60	≥120	≥240	≥480



EN 388 Risks of impact cut

Impact cut test by metallic blade weighing 1050g dropped from a height of 150mm.



EN 511 Protection against the cold

A	Resistance to convective cold	thermal insulation in m2, °C/W	≥ 0.10	≥ 0.15	≥ 0.22	≥ 0.30	-
B	Resistance to (cold) contact	thermal resistance in m2, °C/W	≥ 0.025	≥ 0.050	≥ 0.100	≥ 0.150	-
C	Permeability to water - Level 1. Impermeable to a minimum of 30mm						
X	Not tested for this danger						



EN 407 Heat and/or fire

A	Behaviour and/or fire	duration of flame persistence	≤ 20"	≤ 10"	≤ 3"	≤ 2"	-
B	Resistance to heat contact	> 15 seconds at	100 °C	250 °C	350 °C	500 °C	-
C	Resistance to convective heat	heat transmission	≥ 4"	≥ 7"	≥ 10"	≥ 18"	-
D	Resistance to radiant heat	heat transmission	≥ 5"	≥ 30"	≥ 90"	≤ 150"	-
E	Resistance to small splashes of liquid metal	numbers of drops necessary to obtain an increase in temperature of 40°C	≥ 5	≥ 15	≥ 25	≥ 35	-
F	Resistance to large splashes of molten metal	weight of iron (grams) required to cause a superficial burn	≥ 30	≥ 60	≥ 120	≥ 200	-
X	Not tested for this danger						



EN 1082 Protection against cuts and knife nicks

Gloves and forearm protection against cuts and knife nicks. They are tested at a power of 2.45 joules (falling weight of 1000g at a height of 250mm).



EN 13998 Protection against cuts and knife nicks

ChainexOne are tested at a power of 2.45 joules. Level 1: Falling weight of 1000g dropped from a height of 250mm.



EN 13998 Protection against cuts and knife nicks

ChainexTwo, ChainexLite and Lamex are tested at a power of 4.90 joules (level 2) (Falling weight of 1kg at a height of 0.50m). Level 2: falling weight of 1000g at a height of 500mm



FOR LIVE WORKING WORK

**The complete range of insulating
gloves for electrical work**

Electrosoft Latex insulating gloves

- Electricity is projected to supply an increasing share of the world's total energy demand. Insulating Gloves are among the most important ppe for electrical workers: they are the first line of defense for contact with any energized components or lines.
- Field of applications: electrical production, transportation, transformation and distribution; railways, telecommunications, construction, maintenance in the industries, photovoltaic panels, hybrid car battery, etc.
- Non-supported latex insulating gloves are recommended to be worn in conjunction with a suitable leather overglove to provide mechanical protection from abrasion, cut, tear and perforation.
- The natural latex glove can be supplied in beige or red color, with either rolled or cut edges, depending on user requirements.



OVERGLOVES are used to provide mechanical protection from abrasion, cut, tear and perforation.

Three different overgloves are available for low, medium and high voltage.

- The natural latex base offers excellent dielectric characteristics.
- The thicker the glove the higher the electrical resistance
- An ergonomic design increases comfort by providing additional softness and allows the glove to be put on and taken off very easily.
- Rolled edge gloves are two-tone, comprising a black interior and a beige exterior to allow any damage to the glove to be identified immediately.



CUT EDGE

Reference	Class	Working voltage	Length	Size	Category	Colour
20 919 03	00	500 V AC	360	7 to 11	AZC	Beige
20 919 07	0	1,000 V AC	360	8 to 11	RC	Beige
20 919 06	0	1,000 V AC	410	8 to 11	RC	Beige
20 919 11	1	7,500 V AC	410	9 to 11	RC	Beige
20 919 12	1	7,500 V AC	360	9 to 11	RC	Beige
20 919 21	2	17,000 V AC	360	9 to 11	RC	Beige
20 902 21	2	17,000 V AC	410	9 to 11	RC	Beige
20 919 31	3	26,500 V AC	360	9 to 11	RC	Beige
20 902 31	3	26,500 V AC	410	9 to 11	RC	Beige
20 919 41	4	36,000 V AC	410	10 and 11	RC	Beige
20 910 83	00	500 V AC	410 mm	7 to 11	AZC	Red
20 910 84	0	1,000 V AC	410 mm	8 to 11	RC	Red
20 910 85	1	7,500 V AC	410 mm	8 to 11	RC	Red
20 910 86	2	17,000 V AC	410 mm	8 to 11	RC	Red
20 910 87	3	26,500 V AC	410 mm	9 to 11	RC	Red

- Cow hide silicone grain leather is flexible, water repellent and provides mechanical protection.
- Velcro® fastening tabs allow the glove to be worn securely.
- Protects Electrosoft gloves from mechanical hazards.
- 1.1 mm thick
- 31 cm long

OVERGLOVE

LT	MT	HT
Low voltage	Medium voltage	High voltage
2,5 KV/5 KV	10 KV	20 KV/30 KV
Ref: 20 128 97	Ref: 20 128 98	Ref: 20 128 99



Portable Glove Inflator Kit

The G99 is a simple, easy to use, portable glove inflator. The G99 provides a quality means of inspecting gloves in the field. The glove is secured to the inflator using a nylon strap and fastened with a hook and pile closure. Inflation is accomplished by pumping the bellows of the inflator against any surface.

Product Options Available

SKU	Name	Description
G99	Portable Glove Inflator Kit	Glove Inflator Kit

Portable Glove Inflator Kit Features and Benefits

NOTE: gloves should be expanded no more than 1.5 times their normal size for Type I, and 1.25 times normal for Type II SALCOR.

Test requirements for hi-tech products

Electrosoft gloves are designed and manufactured by our production unit in Autun (France), which is certified to ISO 9001 : 2008 by the French Quality Assurance Association (AFAQ).

In order to meet these specifications, our gloves undergo rigorous testing:

- Visual and dimensional checks.
- Dielectric tests (automatic-test cabins verified periodically by the Central Laboratory for Electrical Industries - LCIE).

Batch and type tests (full list available on demand):

Mechanical tests moisture absorption test (AC proof current test after conditioning for moisture absorption by total immersion in water for a period of 16 h) ageing (in an air oven for 168 h at 70 °C)

Tests on gloves with special properties:

(The majority of ELECTROSOFT gloves comply with RC category requirements)

Category	Resistant to
A	Acid
H	Oil
Z	Ozone
R	Acid + Oil + Ozone
C	Extreme low temperature

Electrosoft gloves comply to IEC-EN 60903 standard: Live working – Gloves of insulating material

A full range of products for every application involving electric current from 500 to 36000 volts.

All insulating gloves are recommended to be tested every six months. In addition, gloves must be visually inspected to check for tears, rips and punctures. Gloves must be carefully inspected prior to each use.

Class	Alternating Current	Direct Current
00	500	750
0	1.000	1.500
1	7.500	11.250
2	17.000	25.500
3	26.500	39.750
4	36.000	54.000

HONEYWELL SAFETY PRODUCTS

Sperian is now Honeywell

Honeywell



Safety Footwear Solutions

Honeywell ME Range

9542-ME



- Oils and acids/alkalis-resistant
- Anti-impact steel toecap
- Anti-puncture steel midsole insert
- Light weight, anti-slip, Dual Density PU outsole
- Antistatic
- Size: 37-48

Product Number	Description
9542-ME	Black Laced Ankle Boot S1P SRC

9541B-ME

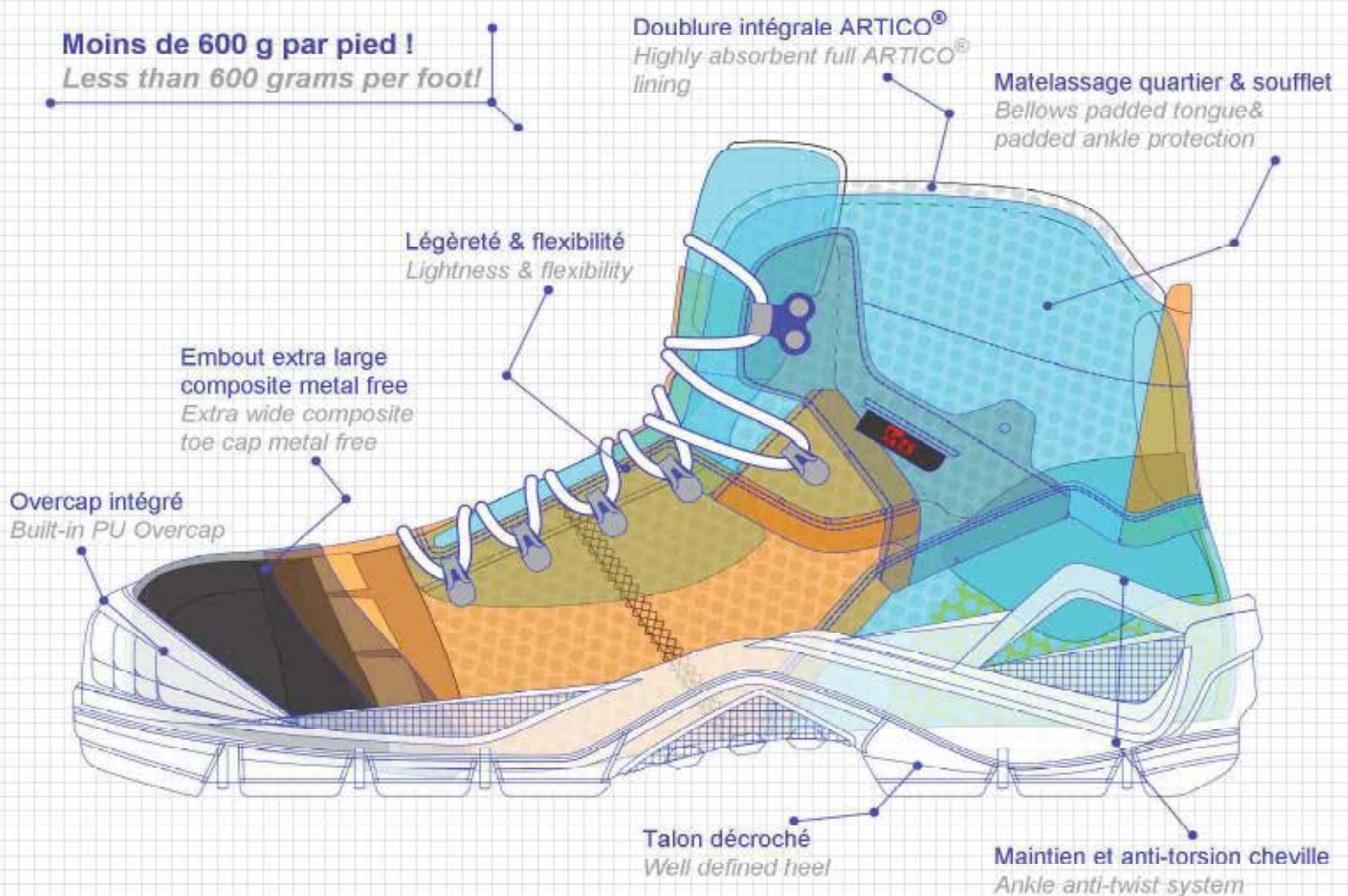


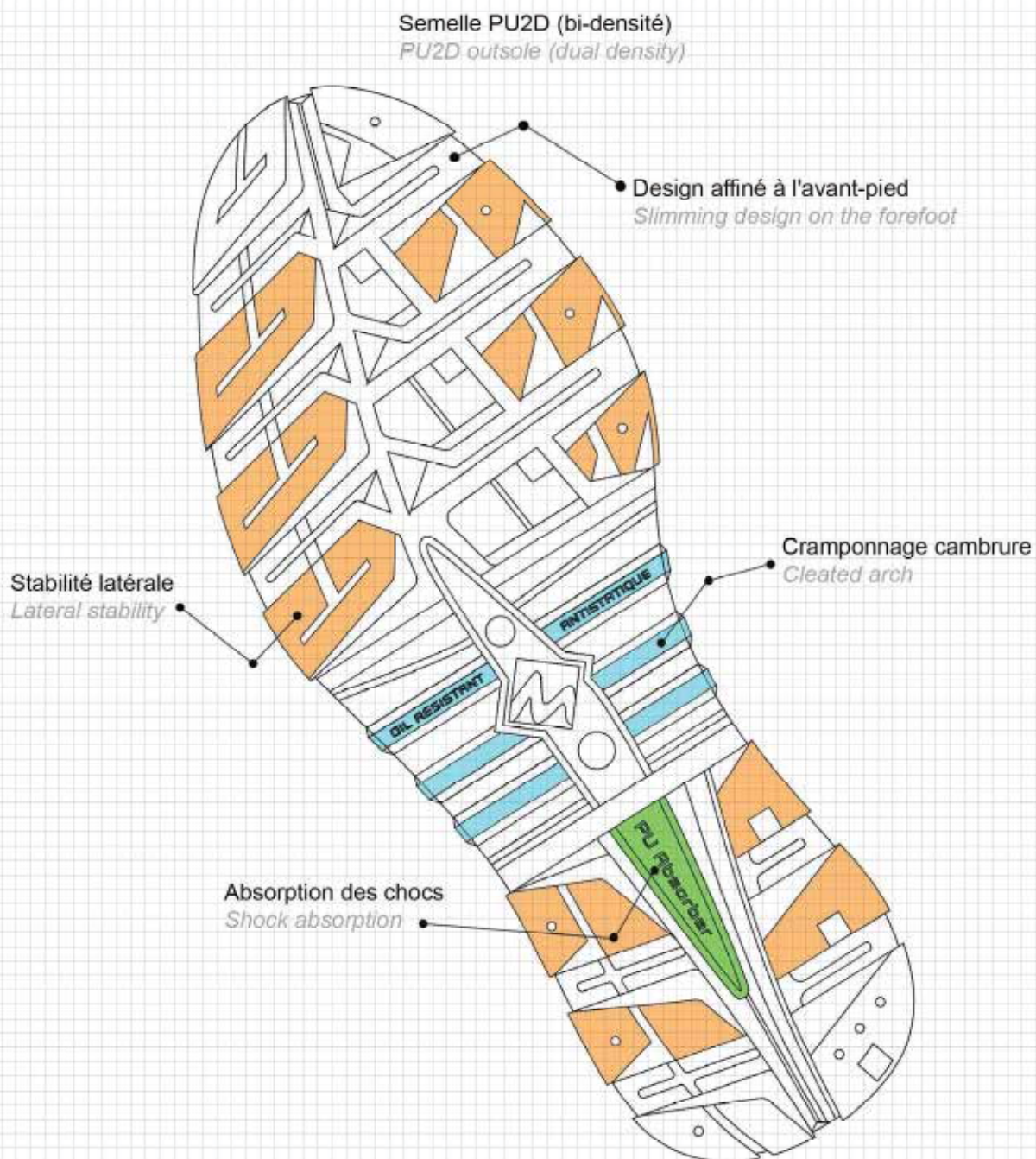
- Oils and acids/alkalis-resistant
- Anti-impact steel toecap
- Anti-puncture steel midsole insert
- Light weight, anti-slip, Dual Density PU outsole
- Antistatic
- Size: 37-48

Product Number	Description
9541B-ME	Black Laced Shoe S1P SRC

19

Concepts techniques *Technology*





Cramponnage mixte multi-usages intérieur / extérieur
Multipurpose cleated indoor / outdoor pattern total grip

Une gamme développée pour accroître le confort, la légèreté et la résistance A range developed to increase comfort, lightness and sturdiness

Nouvelle semelle TECH SOLE®

- PU 2D, grande stabilité, grande surface portante au sol
- Cramponnage mixte industrie intérieur/extérieur
- Nouveau système de maintien et anti-torsion de la cheville
- Talon décroché 14 mm, crampons en cambrure (arrêt sur échelles)

New outsole TECH SOLE®

- PU 2D, total grip, large weight-bearing sole area
- Multipurpose cleated indoor/outdoor pattern
- New ankle anti-twist system
- Well-defined heel 14mm height, cleated arch (non-slip on ladders)

Nouvelle première de propreté FRESH TECH®

Thermoformée, mousse bi-densité, charbon actif
Traitement antistatique spécial ESD et antibactérien

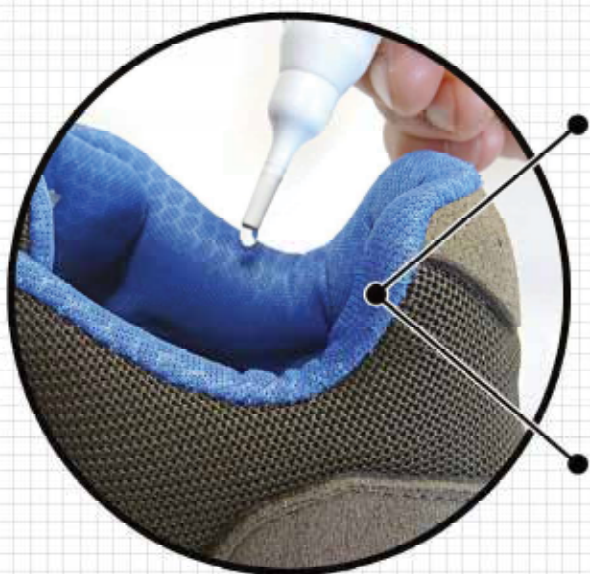
New insole FRESH TECH®

Thermoformed, in active Carbone dual density foam
Antistatic treatment special ESD and antibacterial



Doublures dernière génération, intégrales jusqu'aux orteils, effet « chausson » Full linings at the cutting edge of technology, up to the toes, slipper feeling

Doublure / Lining **ARTICO®**



Le tissu **ARTICO®** en raison de son traitement hydrophile, développe des propriétés d'absorption totale face à l'humidité, en maintenant la respirabilité totale de la peau. Il procure une sensation de frais et de sec. **ARTICO®** en raison de ses propriétés techniques est également antibactérien et antimicrobien.

*Thanks to its hydrophilic treatment, **ARTICO®** fabric absorbs totally the moisture while keeping a complete breathability of the foot. It feels cool and dry. Its technical property makes also **ARTICO®** antibacterial and antimicrobial.*

- Hydrophile
- 100% absorbant et respirant
- Antibactérien (Thermy tex)
- Doux, léger et flexible
- Confortable, ergonomique
- Haute résistance à l'abrasion et à la déchirure

- Hydrophilic
- 100% absorbent and breathable
- Antibacterial (Thermy tex)
- Soft, light and flexible
- Comfortable, ergonomic
- High abrasion and tear resistance

OVER-CAP®



Overcap intégré en PU, effet pare-chocs
Résistance à l'abrasion et aux impacts
Prolonge la durée de vie de la chaussure

*Built-in PU Overcap in the front
High abrasion and shock resistance
Extends the safety shoes lifetime*



MTS vous garantit le meilleur de la technologie MTS guarantees state-of-the-art technology

Plaque anti-perforation en composite

- Souplesse, légèreté
- Flexibilité totale : confort au porter, évite toute fatigue du pied
- Antistatique
- Metal Free
- Amagnétique
- Athermique (non conducteur de froid ou de chaleur)
- Grande capacité d'absorption

Perforation-proof composite mid-sole

- Flexible, light
- Total flexibility for comfort. Prevents foot fatigue
- Antistatic
- Metal-free
- Non-magnetic
- Athermal (does not conduct heat or cold)
- High absorption capacity

Une protection totale du pied
The foot is totally protected



AVANT
BEFORE

Plaque acier : 85 %
de surface protégée
Steel plate: 85%
of area protected



AUJOURD'HUI
TODAY

Semelle composite :
100 % de surface protégée
Composite mid sole:
100% of area protected

Doublure aérée
Ventilated lining



Circulation d'air assurée par la doublure au grand pouvoir respirant, absorbante, résistante à l'abrasion et antibactérienne.

Ventilation provided by high breathability lining which is also absorbent, abrasion resistant and antibacterial.

FLEX SYSTEM
MTS

AIR-FLEX-LIGHT
INTEGRAL
MTS

AIR SYSTEM
MTS

LIGHT SYSTEM
MTS

Embout Composite
Composite toe cap

Embout en matériau composite extra léger, athermique (non conducteur de froid ou de chaleur) et amagnétique, l'embout absorbe les chocs pour une sécurité maximale et répond aux contraintes de la norme EN 12568 avec une résistance à l'écrasement et aux chocs de 200 joules. Le strip en TPU directement sur injecté sur l'embout rend ce dernier invisible et très confortable. Cet embout procure un meilleur équilibre de la chaussure, par un allègement du poids sur l'avant du pied.

Extra-light composite toecap: athermal (does not conduct heat or cold) and non-magnetic. Absorbs impacts for maximum safety and responds to the requirements of the EN 12568 standard with crush and impact resistance achieving 200 joules. The TPU strip directly injected over the toecap makes it invisible and very comfortable. The toecap provides enhanced shoe balance by exerting less weight on the front of the foot.

ESD (Electro Static Discharge) – EN 61340-5-1 Class 1



La norme ESD (Décharge d'Electricité Statique) est importante dans les situations comportant des risques d'explosion (explosifs, produits chimiques, gaz, explosion de poussières), ou si vous travaillez avec des composants électroniques sensibles (puces électroniques, disques durs, etc.). Lorsque vous vous déplacez, les frottements de vos vêtements et de vos chaussures accumulent toujours une charge électrostatique sur votre corps. Des chaussures et des vêtements insuffisamment conducteurs peuvent augmenter cette charge. Et à un certain moment, une décharge électrique se produit. Une décharge trop élevée ou non contrôlée peut avoir des conséquences extrêmement inconfortables et parfois même sérieuses : provoquer une explosion due à la formation d'étincelles ou des dommages aux produits électroniques avec lesquels vous travaillez. La charge électrostatique accumulée dépend fortement du taux d'humidité atmosphérique et de la température ambiante. Plus le taux d'humidité dans l'air est bas, plus la charge est élevée. La norme CEI EN 61340 est classifiée en 3 classes environnementales :

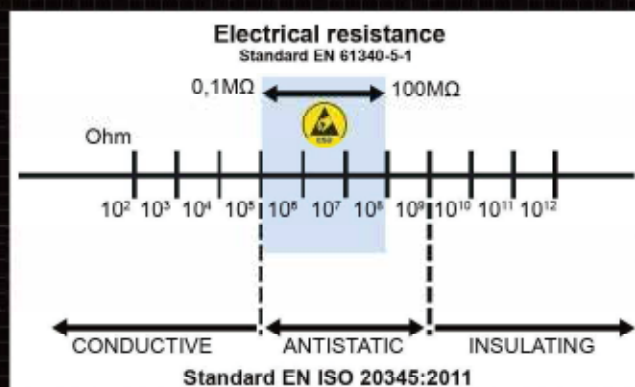
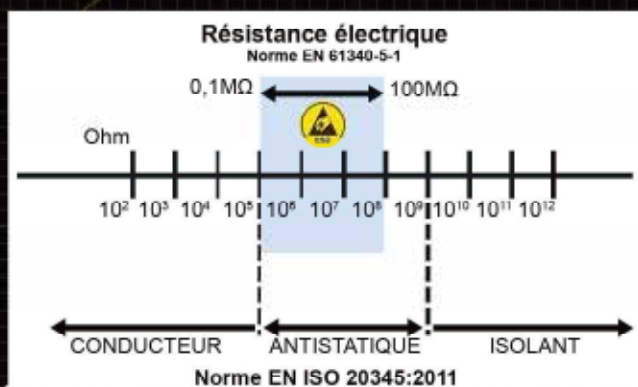
Classe environnementale	Durée de conditionnement	Température	Humidité Relative
1	96 h	23°C	12 %
2	96 h	23°C	25 %
3	48 h	23°C	50 %

Dans les 3 classes, les niveaux de résistance électrique doivent être les mêmes, compris entre $10^5\Omega$ et $10^9\Omega$, les niveaux de résistance les plus bas possible pour réduire la charge. Tous les modèles TECH sont conformes à la norme EN 61340-5-1 Classe 1, qui protège contre le taux d'Humidité Relative le plus bas.

Electro Static Discharge is important in situations involving danger of explosion (explosives, chemicals, gases, dust explosion), or if you work with sensitive electronics (microchips, hard drives, etc.). When you move, friction always causes an electrostatic charge in your body. Shoes and clothing that are not conductive enough can increase this charge. And at a certain point, an electrical discharge occurs. An electrical discharge that is too high or uncontrolled can have extremely uncomfortable and sometimes even serious consequences: an explosion due to spark formation, or damage to the electronic products you work with. The electrostatic charge depends strongly on the atmospheric humidity and on the climate at the location. The lower the rate of the humidity, the higher the charge. The CEI EN 61340 standard is classified into 3 environment classes:

Environment class	Duration of conditioning	Temperature	Relative Humidity
1	96 h	23°C	12%
2	96 h	23°C	25%
3	48 h	23°C	50%

In the 3 classes, the electrical resistance levels must be the same, between $10^5\Omega$ and $10^9\Omega$, the lowest levels possible to reduce the charge. All TECH models are conforming to EN 61340-5-1 Class 1 standard, the best protection for a low Relative Humidity rate.



Semelles orthopédiques



Orthopedic insoles

Vous connaissez la règle **DGUV 112-191** ? Née en Allemagne en 2007, cette règle est en train de s'imposer dans toute Europe.

La règle DGUV 112-191 régit l'utilisation de semelles intérieures orthopédiques dans le milieu du travail.

En effet, toute modification apportée aux chaussures de sécurité, par exemple le changement de la première de propreté fournie avec la chaussure par le fabricant, est proscrite par la norme CE. **Toute modification faite à la chaussure de sécurité entraîne une non-conformité à la norme EN ISO 20345:2011 et, en cas d'accident, l'utilisateur ne sera plus protégé par son assurance-accidents.**

MTS vous apporte maintenant une solution. Nous avons choisi de nous associer à un spécialiste de l'orthopédie allemand **VAUPEL** à l'avant-garde dans la fabrication de premières de propreté orthopédiques.

Les travailleurs ayant besoin d'une première de propreté orthopédique, liée à la correction de malformations du pied ou autres troubles de la marche, dans leurs chaussures de sécurité, pourront désormais procéder à ce remplacement en toute sécurité, sans perdre la garantie liée à la certification CE.

En utilisant les semelles intérieures orthopédiques personnalisées VAUPEL, les chaussures MTS seront toujours garanties à la norme CE.

Tous les modèles de la gamme **TECH** ont été testés avec la première de propreté orthopédique **VAUPEL**, par un organisme indépendant, le **CTC**, qui atteste que ces chaussures répondent aux exigences de la norme **EN ISO 20345:2011** avec cette première orthopédique spécifique.

Pour toute information concernant ces semelles orthopédiques : www.vaupel-online.de

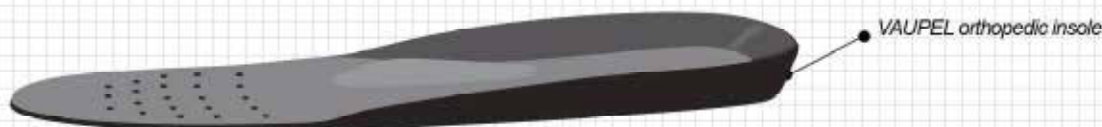
*Do you know the **DGUV 112-191** regulation? Born in Germany in 2007, this regulation is gradually imposed in whole Europe. The DGUV 112-191 regulates the use of Orthopedic insoles in the workplace. Indeed, any modification on safety shoes, for example the change of the original insole provided inside the footwear by the manufacturer, is prohibited by the CE standard. Any change made to safety footwear causes a non-compliance to the standard **ISO 20345:2011** and, in case of accident, the wearer will no longer be protected by his accident insurance.*

*MTS now brings you a solution. We have chosen to make a partnership with an orthopedic specialist, **VAUPEL Orthopädie-Technik GmbH**, a German company at the forefront in the manufacture of Orthopedic insoles.*

Workers needing an Orthopedic insole in their safety shoes; related to the correction of deformities of the foot or walking troubles, will now be able to proceed with this replacement safely, without losing the guarantee related to the CE certification.

By using Orthopedic insoles VAUPEL, MTS shoes will always have CE guarantee. All TECH models have been tested with the orthopedic insole VAUPEL, by a notified body, the CTC, which attests that these shoes meet the requirements of the standard **EN ISO 20345:2011 with this specific orthopedic insole.**

For more information about this orthopedic insole; www.vaupel-online.de





Doublure intégrale AIR SYSTEM® effet chausson
Full AIR SYSTEM® lining, slipper feeling



Sans coutures latérales
Without lateral stitching

70109 Tech TOTAL FLEX S3

EN ISO 20345:2011 SRC
EN 61340-5-1
DGUV 112-191



Pointures / Sizes
35-49



70107 Tech ACCESS FLEX S3

EN ISO 20345:2011 SRC
EN 61340-5-1
DGUV 112-191



Pointures / Sizes
35-49

Liseré rétro-réfléchissant
Reflective piping

Microfibre résistante aux produits chimiques et
aux projections de soudure (UNE ISO 20349/2011)
Microfiber resistant to chemicals and to iron and
aluminium metal splashes (UNE-EN-ISO-20349/2011)



70720 Tech SCORE FLEX S3

EN ISO 20345:2011 SRC
EN 61340-5-1
DGUV 112-191



Pointures / Sizes
35-48

Protège-malléoles en
ON STEAM®, doublé
et matelassé
Ankle protection in
ON STEAM®, lined
on padded



Soufflet étanche en cuir doublé et matelassé
Bellows padded tongue in leather

Cuir fleur nubuck hydrofuge
Water resistant full nubuck leather





RIGI - FLEX S3

Réf. : 16034



Suitable for : Outside

Type : Boots

Activity : Construction / Environment / Oil and Gas

Upper : Water resistant full smooth leather

Lining :

Tongue :

Ankle protection :

Fastening :

Toe cap : Ultralight and extra wide Composite toe cap 200 joules LIGHT SYSTEM®

Midsole : Composite FLEX SYSTEM®, anti-magnetic and thermal insulated

Insole : Foamed PU, anatomical, antistatic and anti bacterial

Sole : PU/TPU multi-hardness EXTREM 4 outsole, oil resistant FO, antistatic, HI-CI

Sole pattern : Deep cleated sole pattern for better slip resistance on wet or icy grounds

Weight (Kg/pair) : 1.400

Colors : Brown upper, outsole brown/beige/orange cleats

Sizes : 38-48 (5-13)

Standard : EN ISO 20345:2011 SRC

CE certificate of conformity N° : 0075/020/161/08/11/0463 - EXT 26/02/11

Special features : Two loops for easy and fast boot pull-on

Special features 2 :

Special features 3 :

SPECIAL FEATURES



Integral 100% composite
(Air System + Light System + Flex System)



Metal free, non magnetic



Water absorption and
penetration resistance of upper (WRU)



GENERAL FEATURES



Antistatic properties (A)



Heel energy absorption (E)



Abrasion resistance



Crampon sole



Heat-insulated sole (HI)



Cold-insulated sole (CI)



200 joule extra-wide toecap



Hyper-ventilated lining



Perforation-resistance 1100 N (P)







KILI - FLEX S3
Réf. : 16130



Suitable for :	Outside
Type :	Boots
Activity :	Construction / Environment / Oil and Gas
Upper :	Supple full leather water resistant for 4 hours
Lining :	
Tongue :	
Ankle protection :	
Fastening :	
Toe cap :	Ultralight and extra wide Composite toe cap 200 joules LIGHT SYSTEM®
Midsole :	Composite FLEX SYSTEM®, anti-magnetic and thermal insulated
Insole :	Foamed PU, anatomical, antistatic and anti bacterial
Sole :	PU/TPU multi-hardness EXTREM 4 outsole, oil resistant FO, antistatic, HI-CI
Sole pattern :	Deep cleated sole pattern for better slip resistance on wet or icy grounds
Weight (Kg/pair) :	1.400
Colors :	Brown upper, outsole black/grey/silver cleats
Sizes :	38-48 (5-13)
Standard :	EN ISO 20345:2011 SRC
CE certificate of conformity N° :	0075/020/161/08/11/0463 – EXT 21/12/11
Special features :	Two loops for easy and fast boot pull-on
Special features 2 :	Available in small sizes: 35 -36 -37
Special features 3 :	

SPECIAL FEATURES

-  Integral 100% composite (Air System + Light System + Flex System)
-  Metal free, non magnetic
-  4-hour water absorption and penetration resistance test (WR)
- 

G GENERAL FEATURES

	Antistatic properties (A)	2000	2000
	Heat energy absorption (E)	2000	2000
	Abrasion resistance	2000	2000
	Crampon sole	2000	2000
	Heat-insulated sole (HI)	2000	2000
	Cold-insulated sole (CI)	2000	2000
	200 joule extra-wide toecap	2000	2000
	Hyper-ventilated lining	2000	2000
	Puncture-resistance 1100 N (P)	2000	2000



Part No.
KWD80SC
Full grain leather pull-up boot
colour: Orange
Size : 3 - 13



Overview

Key Feature

SOLE CONSTRUCTION

Dual density polyurethane (PU) sole with softer midsole to cushion shock impact (SRC Outsole)

Lightweight & slip resistant PU sole

Sole resistant to oils and acids/alkalis

Anti-static

UPPER CONSTRUCTION

- Painted Leather Upper
- Breathable non-woven fabric lining
- Antistatic insole board
- Scuff cap for the toe bumper protection
- Extra Wide 5-toe toecap provides maximum comfort for your toes
- 200 Joules steel cap for impact and compression resistance
- pierce resistant 1100N steel mid-sole inter
- PUsion insole: Extra thick full length fabric-lined PU foam insole with absorption, anti bacterial and anti-static properties. PUsion remains spongy and last longer ensuring long lasting comfort

Hazards

- Impact
- Slip

Regulations

- CE - ENISO 20345 (Europe standard)
- SS513 (Singapore Standard)
- AS/NZS 2210.3 - Australia / New Zealand Standard
- MS ISO 20345 - MS ISO 20345 (Malaysia Standard)
- ASTM - American standard
- SNI - SNI 7079 (Indonesia Standard)

Specifications

Antistatic

- Yes

Slip resistant

- Yes

Steel Toe Protection

- Yes

Pierce resistant

- 1100N steel mid-sole insert

SHOE SIZE SCALE COMPARISON

UK	3	4	5	6	7	8	9	10	11	12	13
French	36	37	38	39/44	41	42	43	44/45	46	47	48



Head protection



Head protection

Safety helmets and accessories offer secure, comfortable protection that your employees will want to use. The head protectors feature elegant, lightweight shell designs, height-adjustable suspensions and comfortable padding. Our pin-lock or ratchet-adjustable suspensions use the natural shape of the head to create a firm but comfortable fit, guaranteeing the user a superior level of comfort throughout the day. Increasing compliance with safety standards and worker safety form part of our constant commitment to quality, innovation and improved safety in the workplace.

SUSPENSIONS

- Pin-lock: easy to adjust system of interlocking teeth for a firm hold. Simply squeeze the buckle tabs to loosen the band and slide to tighten.
- Ratchet: feature an extra secure and comfortable grip that allows the wearer in any position without slipping. Simply twist the ratchet to adjust.

PERSONALISED HELMETS (Ask your dedicated representative for details).

High-definition pad printing gives the helmet a personalised look. The logo is printed on the cap using a very durable ink.



FEATURES & BENEFITS

Shell

High density polyethylene (HDPE)

Thermal resistance

From - 30 °C to + 50 °C max.

Electrical properties standard 440 V

EN50365 A59, A69, A69R, A79 and A79R

Size 52-60cm

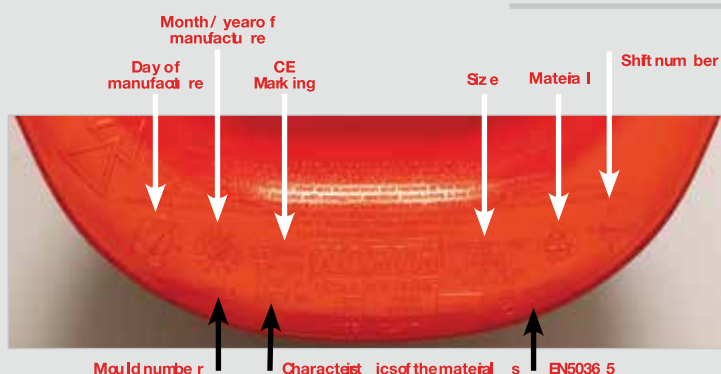
Storage temperature

Minimum + 5 °C, up to + 25 °C max.

EN standards



- EN 812 Industrial bump caps
EN 397 Specification for industrial safety helmets
EN 50365 Electrically insulated helmets for use in low-voltage installations



Available colours

○ White	● Yellow
● Black	● Light blue
● Grey	● Red
● Sky blue	● Pink
● Royal blue	● Dark green
● Orange	● Navy blue

*Please consult your price-list to get the colours references

**PEAK RANGE****FEATURES & BENEFITS**

Multipurpose helmet design, with grooved HDPE shell.

- Design with rain-gutter.
- Choice of suspensions with pin-lock or ratchet adjustment.
- Suspension with adjustable headgear (height and size) guarantees comfort for the wearer.
- Slots to fit faceshield and earmuff range.
- Easy sweatband replacement system.



Product Family

The Peak A79

The Peak A79R Hard Hat Aversatile and dependable design, with grooved HDPE outer shell, rain trough and accessory slots. Choice of 4 or 6-point, nylon web or plastic suspension with ratchet size adjustment. All suspension choice feature 3-level height adjustment. Meets ANSI Z89 1-2009 and CSA Z94 1-2005 Type 1 Class E.

Part Number	Colour
A59010000	WHITE
A59020000	YELLOW
A59030000	ORANGE
A59150000	RED
A59070000	SKY BLUE



Product Family

The Peak A59

A versatile and dependable design, with grooved HDPE outer shell, rain trough accessory slots, and 4-point plastic suspension pin lock size adjustment with 3-level height adjustment. Meets ANSI Z89, 1-2009 Type 1 Class E

Part Number	Colour
A79010000	WHITE
A79020000	YELLOW
A79030000	ORANGE
A79050000	HI VIZ RED
A79070000	SKY BLUE



Chin Straps 2 POINT ELASTIC

Key Features

A variety of 2-point chin straps are available for all North hard hats. chin straps provide additional hard hat retention for situation where there is risk



A79C100

Highest Quality, Fastest Service

MODEL P2NRW

P2N hat with Fibre-Metal® logo imprint.

SEE THE DIFFERENCE QUALITY MAKES

- Unique smooth crown design
- Technically advanced eight point impact energy control system
- Multiple position adjustable headband
- Choice of 360 degree padded, perforated sweat band; ratchet headband, or exclusive SwingStrap™ reversible ratchet headband
- SEI certified to meet ANSI standard in both peak forward and reverse wearing positions
- Comes fully assembled





Take a closer look.

Smooth, matte finish yields crisper, long-lasting logo imprints and differentiates Roughneck™ from common HDPE shells



Protection up to 325°F (P2N) or 500°F (P2HN)

Injection-molded solid color resin for permanent no-chip, no-peel finish

MODEL P2NRW SHOWN

Eight load-bearing points balance weight and impact energy over wide area for added comfort and safety

Choice of three high-performance headgear options: non-slip/non-strip ratchet, SwingStrap™ or Tab-Lok™

FACESHIELD WINDOWS

Standard Size



4118

Wide Vision



4178



MODEL F400

Shown with 4178CL



MODEL F300

Shown with 4118CL



FM70

- FM70 dielectric cap bracket

THERMO

TIGERHOOD™



MODEL 906

SEE THE DIFFERENCE QUALITY MAKES

Tigerhood™ Classic contains the features that make lightweight thermoplastic welding helmets popular with today's welders. What makes it stand out is its performance and comfort enhancing extras that help welders produce more with fewer injuries.

Molded from Noryl®, job proven superior in welding related performance characteristics, Tigerhood™ Classic is the workhorse of thermoplastic helmets. It maintains its high performance level across a wide spectrum of welding processes and working conditions.

Tigerhood™ Classic has a high welder satisfaction rating because it helps welders do their job better. When welders do their job better – you gain a productivity edge.

EXCLUSIVE AIRFLOW DESIGN

Tigerhood™ Classic's unique design provides extended throat protection while blocking fumes and smoke from the face. Size and shape allows air to circulate, to help clear any smoke and fumes that seep in.

(If hazardous fumes are present, appropriate respirators must be worn.)



POPWELD NOVA

FEATURES & BENEFITS

Comfortable hand-held welding screen. Ideal for monitoring or minor welding operations. Fixed screen, 50 x 108.

Ref.	81 26 14
------	----------



Part No. : 811004.01

Description	Welding helmet with 50x108mm Flip - up Unique straight shell, impact resistance and durable. Ratchet adjustable type suspension
Material	Shell - Vulcan fiber Glass holder - polyamide Excellent dimensional stability under heat No dripping off or residual of shell in contact with heat Radiation heat resistance up to 180 C Cover lens - Mineral glass. Welding lens - Mineral glass shade 10. Chipping lens - Polycarbonate.
Lenses dimensions:	50x108mm
Weight	521 gram
Standard	EN175
Application	For all the welding application including welding application above the head.



NORTH WELDING HELMET GAMADOR 8
Reference: 810404.74

Full size welding helmet with fully adjustable headgear and flip up glass holder

Gamador

Description: Lightweight welding helmet with flip-up lens. Unique straight shell, impact and durable. ratchet adjustable type suspension.

Lenses dimensions: 51* 108* 10

Material: Shell - PA6. Polyamide with flame retarding and reinforced additives. Excellent dimensional stability under heat No dripping off or residual burning of shell in contact with heat. Radiation heat resistance up to 180A C.

Cover leens - Mineral glass.

Welding lens - Mineral glass shade 10.

Chipping lens - polycarbonate

Application: For all the welding application except welding applications above the head.

Gamador



Lightweight, comfortable and very ergonomic.
Full size design with flip-up glass holder sizes: 50x108, 55x110, 75x98, 85x110 and 90x110. Fully adjustable ratchet headgear ensuring a quick, easy and firm fit. Leather chin protector optional

Art no.	Description
810404.2	110x9mm

Part No.
810400.2



Honeywell

NORTH

North Gamador Combi Helmlaskap

black carrier cP5005 with full size hield
supplied without hard hat and lenses.
fixed glass holder Size: 50x108

Part No.
812814

Honeywell

NORTH



SHELLFO

Description: Lightweight welding handscreen
with 90x110mm lensholder, Unique
Straight shell, impact resistant and durable. Curved top
extends well over the head for added protection
Materials: Shell - Vulcan fiber
Glass holder - polyamide. excellent dimensional
Glass holder= polyamide off or residual burning of shell in contact
with heat. Radiation heat resistance up to 180 °C.
Welding lens - mineral glass shade 10.
lenses dimensions: 90x110mm

Weight: 382 gram

Application : For All The Welding application
including welding applications
above the head

Honeywell

THE POWER OF **CONNECTED**

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